AMENDMENTS TO THE SPECIFICATION:

Please replace paragraph 64 with the following paragraph.

Double-stranded cDNA containing the RGS4 sequence was first amplified from normal human brain cDNA using custom designed primers (Forward primer sequence: CCGAAGCCACAGCTCCTC (corresponding to SEQ ID NO: 3); Reverse primer sequence: CATCCCTCTCCCTTCAGGTG (corresponding to SEQ ID NO: 4), and "touchdown" PCR with AmpliTaq Gold (PE Biosystems): (94°C for 10 minutes (min), followed by 10 PCR cycles with a high annealing temperature 94°C for 30 seconds (sec), 62°C for 30 sec, and 72°C for 60 sec), 10 cycles with a medium annealing temperature (94°C for 30 sec, 60°C for 30 sec, 72°C for 60 sec), and 20 cycles at a low annealing temperature (94°C for 30 sec, 58°C for 30 sec, 72°C for 60 sec). The product of this touchdown PCR reaction produced a single bright band on a 2% agarose gel and was purified and ligated into a T/A plasmid cloning vector (AdvanTAge, Clontech) and transformed into competent *Escherichia coli* cells and plated overnight at 37°C. Colony PCR was performed on selected colonies containing the insert, and the products of these reactions were restriction digested and sequenced to verify orientation and insert identity.